



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHOWT5022ACW-120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Fri Aug 24 11:52:37 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDHOWT5022ACW-120-277[_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[MANUFAC] Beghelli

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18970
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10848	9116	10848
55	5487	4472	5487
65	3175	2505	3175
75	3003	2284	3003
85	1976	1436	1976

CANDELA TABULATION

	<u>0</u>
0	8781.925
5	8660.464
10	8439.681
15	8109.044
20	7614.860
25	7006.975
30	6363.659
35	5766.992
40	5251.260
45	4632.105
50	3533.341
55	2273.432
60	1336.673
65	1235.492
70	1215.087
75	1057.317
80	829.526
85	601.364
90	406.647
95	252.297
100	143.240
105	78.606
110	44.078
115	27.014
120	18.376
125	13.308
130	10.047
135	7.956
140	6.716
145	5.679
150	5.281
155	5.130
160	5.812
165	6.751
170	6.477
175	6.725
180	14.052

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3097.77	N.A.	16.30
0-30	6323.4	N.A.	33.30
0-40	9948.04	N.A.	52.40
0-60	15525.02	N.A.	81.80
0-80	17869.66	N.A.	94.20
0-90	18534.47	N.A.	97.70
10-90	17714.22	N.A.	93.40
20-40	6850.26	N.A.	36.10
20-50	10330.19	N.A.	54.50
40-70	6822.79	N.A.	36.00
60-80	2344.64	N.A.	12.40
70-80	1098.84	N.A.	5.80
80-90	664.81	N.A.	3.50
90-110	379.33	N.A.	2.00
90-120	408.36	N.A.	2.20
90-130	420.77	N.A.	2.20
90-150	430.80	N.A.	2.30
90-180	435.81	N.A.	2.30
110-180	56.48	N.A.	0.30
0-180	18970.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	820.24
10-20	2277.53
20-30	3225.63
30-40	3624.64
40-50	3479.93
50-60	2097.05
60-70	1245.8
70-80	1098.84
80-90	664.81
90-100	287.90
100-110	91.43
110-120	29.04
120-130	12.40
130-140	6.35
140-150	3.68
150-160	2.47
160-170	1.82
170-180	0.72

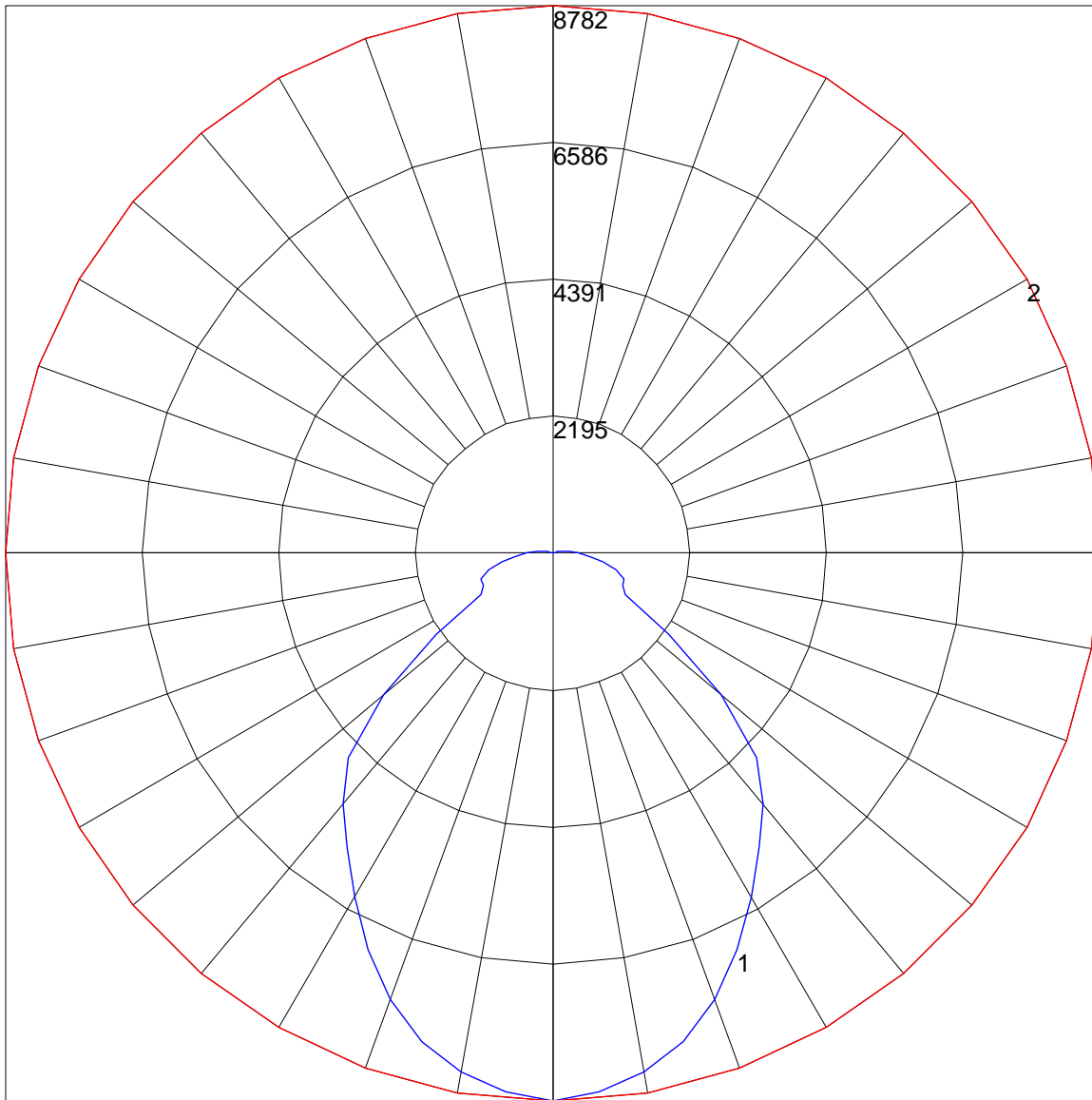
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	109	104	100	96	106	101	98	94	97	94	91	92	90	88	89	87	85	82
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	71	67	63	61
4	85	74	65	59	82	72	64	59	69	63	58	67	61	57	64	60	56	53
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	51	46	57	50	45	55	49	45	54	48	44	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	49	44	40	38
8	63	51	43	37	62	50	42	37	48	41	37	47	41	36	46	40	36	34
9	59	47	39	34	58	46	39	34	45	38	33	44	37	33	42	37	33	31
10	56	43	36	31	55	43	36	31	42	35	30	41	34	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 8781.925 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)